# 09. C++ OOP Pure Virtual Members and Multiple Inheritance

Write C++ code for solving the tasks on the following pages.

Code should compile under the C++03 or the C++11 standard.

Submit your solutions here: <https://judge.softuni.bg/Contests/1281/09-Cpp-OOP-Pure-Virtual-Members-and-Multiple-Inheritance> (select “Compete” when prompted)

Any code files that are part of the task are provided under the folder **Skeleton**.

Please follow the exact instructions on uploading the solutions for each task.

NOTE: the Judge system treats each .cpp file as a compilation unit, compiles each such file and links them together to create the final executable, which is checked against the tests.

# Task 2 – IDs

You are given code which reads information about Company objects from the console, maps and sorts them by id, then prints info about each on the console.

The provided code only contains the implementation, without the declarations for the classes & members. Your task is to study the provided code and create files with the appropriate declarations so that the code compiles and accomplishes the task described.

You should submit a single .zip file for this task, containing ONLY the file(s) YOU created. The Judge system has a copy of the other files and will compile them, along with your file, in the same directory.

### Examples

|  |  |
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| **Input** | **Output** |
| 42 uni (I.K.,S.N.)  13 joro (G.G.)  end | 13 joro (G.G.)  42 uni (I.K.,S.N.) |
| 188 icyha (B.Q.,H.P.,F.S.)  58 uadel (S.A.,C.H.,L.T.)  end | 58 uadel (S.A.,C.H.,L.T.)  188 icyha (B.Q.,H.P.,F.S.) |
| 13 joro (G.G.)  end | 13 joro (G.G.) |